

	Hydrophobic		Hydrophilic		
	-2	-1	0	1	2
1	0.00		M		
2	0.00		H		
3	-0.15		= R		
4	-0.29		== L		
5	-0.71		===== I		
6	-1.38		===== F		
7	-1.49		===== V		
8	-1.61		===== Y		
9	-1.47		===== T		
10	-1.30		===== L		
11	-0.88		===== I		
12	-1.23		===== C		
13	-1.10		===== A		
14	-0.75		===== N		
15	-0.75		===== F		
16	-0.17		== C		
17	0.30		S ===		
18	0.65		C =====		
19	0.87		R =====		
20	0.73		D =====		
21	0.83		T =====		
22	0.33		S ===		
23	-0.13		= A		
24	-0.02		T		
25	-0.15		= P		
26	-0.02		Q		
27	-0.25		== S		
28	0.25		A ===		
29	0.13		S =		
30	-0.22		== I		
31	0.37		K ===		
32	0.35		A ===		
33	0.57		L =====		
34	0.10		R =		
35	-0.12		= N		
36	0.68		A =====		
37	0.68		N =====		
38	1.15		L =====		
39	1.73		R =====		
40	1.75		R =====		
41	2.08		D =====		
42	1.50		E =====		
43	0.70		S =====		
44	0.13		N =		
45	0.13		H =		
46	-0.22		== L		
47	-0.63		==== T		
48	-0.05		D		
49	0.75		L =====		
50	1.32		Y =====		
51	1.32		R =====		
52	1.55		R =====		
53	1.63		D =====		

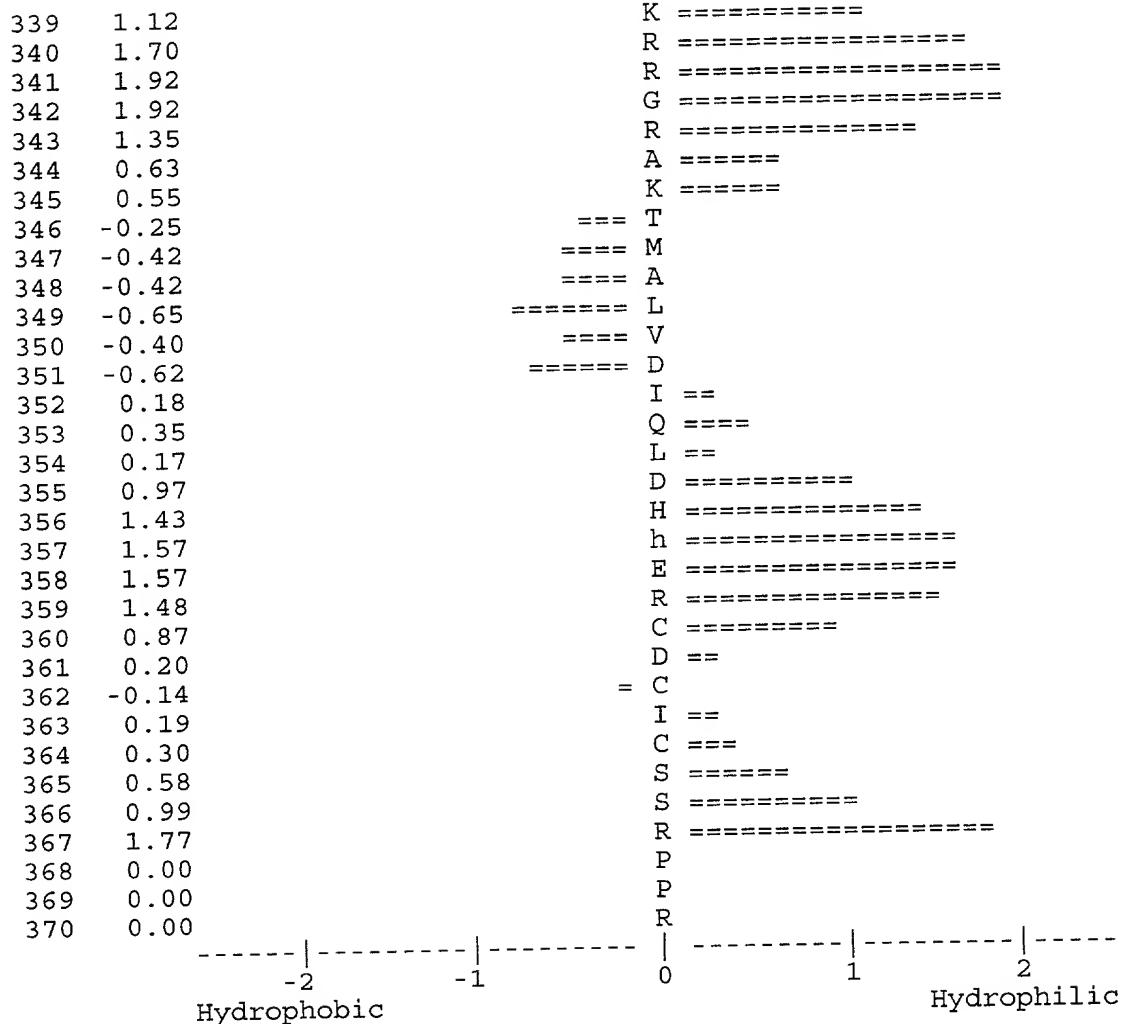
54	1.17	E ======
55	0.42	T =====
56	0.42	I =====
57	-0.08	= Q
58	0.02	V
59	0.32	K ===
60	-0.10	= G
61	-0.10	= N
62	-0.57	===== G
63	-0.52	===== Y
64	-0.55	===== V
65	-0.05	Q
66	-0.08	= S
67	0.17	P ==
68	0.17	R ==
69	0.17	F ==
70	0.18	P ==
71	-0.32	==== N
72	0.60	S =====
73	0.63	Y =====
74	0.30	P ===
75	-0.05	R
76	-0.37	==== N
77	-0.43	==== L
78	-1.50	===== L
79	-1.03	===== L
80	-1.03	===== T
81	-0.82	===== W
82	-0.47	===== R
83	-0.37	===== L
84	0.70	H =====
85	0.23	S ==
86	0.47	Q =====
87	1.05	E =====
88	0.70	N =====
89	0.70	T =====
90	-0.10	= R
91	-0.38	==== I
92	-0.73	===== Q
93	-0.73	===== L
94	-0.40	==== V
95	-0.40	==== F
96	-0.52	===== D
97	-0.27	==== N
98	-0.15	= Q
99	-0.15	= F
100	0.32	G ===
101	0.20	L ==
102	1.12	E =====
103	1.15	E =====
104	1.95	A =====
105	1.15	E =====
106	0.48	N =====
107	1.07	D =====
108	0.18	I ==
109	0.65	C =====
110	-0.27	==== R

111	-0.22	== Y
112	0.45	D =====
113	-0.30	==== F
114	0.58	V =====
115	0.58	E =====
116	0.70	V =====
117	1.00	E =====
118	1.00	D =====
119	1.18	I =====
120	0.73	S =====
121	0.17	E ==
122	0.17	T ==
123	-0.18	== S
124	-0.18	== T
125	-0.12	= I
126	0.33	I ===
127	-0.17	== R
128	-0.03	G
129	0.27	R ===
130	-0.32	==== W
131	0.18	C ==
132	0.18	G ==
133	0.50	H =====
134	0.67	K =====
135	0.67	E =====
136	1.25	V =====
137	0.45	P =====
138	0.45	P =====
139	0.75	R =====
140	1.25	I =====
141	1.18	K =====
142	0.72	S =====
143	1.05	R =====
144	0.25	T ===
145	0.70	N =====
146	-0.10	= Q
147	-0.10	= I
148	-0.55	===== K
149	-0.08	= I
150	0.27	T ===
151	0.27	F ===
152	1.07	K =====
153	0.75	S =====
154	0.75	D =====
155	0.00	D
156	-0.13	= Y
157	-0.13	= F
158	-0.63	===== V
159	-0.25	==== A
160	-0.25	==== K
161	0.50	P =====
162	0.28	C ===
163	-0.60	===== F
164	-0.98	===== K
165	-0.93	===== I
166	-0.82	===== Y
167	-1.62	===== Y

168	-0.82	===== S
169	0.07	L =
170	0.03	L
171	0.02	E
172	0.32	D ===
173	0.53	F =====
174	-0.05	= Q
175	-0.63	===== P
176	-0.17	== A
177	0.30	A ===
178	0.23	A ==
179	0.35	S =====
180	0.27	E ===
181	0.85	T =====
182	0.85	N =====
183	0.10	w =
184	0.10	E =
185	0.12	S =
186	0.33	V ===
187	-0.47	==== T
188	-1.08	===== S
189	-0.83	===== S
190	-1.02	===== I
191	-1.02	===== S
192	-1.45	===== G
193	-1.12	===== V
194	-0.50	===== S
195	-0.50	===== Y
196	-0.20	== N
197	-0.50	===== S
198	-0.18	== P
199	0.28	S ===
200	0.23	V ==
201	0.17	T ==
202	-0.18	== D
203	-0.23	== P
204	-0.25	== T
205	-0.25	== L
206	-0.33	== I
207	-0.57	===== A
208	0.23	D ==
209	1.03	A =====
210	1.62	L =====
211	0.82	D =====
212	0.82	K =====
213	1.62	K =====
214	0.70	I =====
215	0.70	A =====
216	0.13	E =
217	0.18	F ==
218	0.77	D =====
219	0.77	T =====
220	0.88	V =====
221	0.08	E =
222	0.65	D =====
223	0.52	L =====
224	-0.40	==== L

225	-0.87	===== K
226	-0.57	===== Y
227	0.23	F ==
228	-0.22	== N
229	0.00	P
230	0.45	E =====
231	0.92	S =====
232	1.42	W =====
233	0.62	Q =====
234	1.07	E =====
235	1.27	D =====
236	1.02	L =====
237	0.13	E =
238	-0.67	===== N
239	0.13	M =
240	-0.43	==== Y
241	-0.47	===== L
242	0.25	D ===
243	0.65	T =====
244	1.45	P =====
245	0.95	R =====
246	1.52	Y =====
247	1.57	R =====
248	1.08	G =====
249	0.98	R =====
250	0.98	S =====
251	1.48	Y =====
252	1.48	H =====
253	1.48	D =====
254	1.97	R =====
255	1.80	K =====
256	1.80	S =====
257	1.00	K =====
258	1.00	V =====
259	1.45	D =====
260	0.65	L =====
261	0.93	D =====
262	0.93	R =====
263	1.73	L =====
264	1.15	N =====
265	1.15	D =====
266	1.95	D =====
267	1.93	A =====
268	1.48	K =====
269	0.82	R =====
270	0.83	Y =====
271	0.33	S ===
272	0.33	C ===
273	0.35	T ===
274	0.32	P ===
275	0.53	R ===
276	0.35	N ===
277	0.38	Y ===
278	-0.42	==== S
279	0.05	V =
280	0.53	N ===
281	0.98	I =====

282	0.93	R =====
283	1.40	E =====
284	1.40	E =====
285	0.82	L =====
286	0.35	K ===
287	-0.40	==== L
288	-0.35	==== A
289	-1.27	===== N
290	-1.38	===== V
291	-1.30	===== V
292	-0.83	===== F
293	-0.75	===== F
294	-0.80	===== P
295	-0.68	===== R
296	-0.52	===== C
297	-0.48	===== L
298	-0.48	===== L
299	-0.48	===== V
300	-0.18	== Q
301	0.12	R =
302	0.40	C ===
303	0.20	G ==
304	-0.30	== G
305	-0.30	== N
306	-0.87	===== C
307	-0.93	===== G
308	-1.22	===== C
309	-1.02	===== g
310	-1.58	===== T
311	-0.92	===== V
312	-0.30	== N
313	-0.40	== W
314	-0.22	== R
315	-0.42	== S
316	0.18	C ==
317	-0.27	== T
318	-0.32	== C
319	0.35	N ===
320	0.35	S ===
321	0.27	G ===
322	0.73	K =====
323	1.18	T =====
324	1.20	V =====
325	0.62	K =====
326	1.18	K =====
327	1.18	Y =====
328	0.38	H ===
329	-0.08	= E
330	-0.52	==== V
331	0.07	L =
332	-0.43	==== Q
333	-0.18	== F
334	0.03	E
335	-0.30	== P
336	0.62	G =====
337	0.62	H =====
338	1.12	I =====



FIGURE